



State-of-the-Art Solid Waste Management Life-Cycle Modeling Workshop

Damgaard, Anders; Levis, James W.

Publication date:
2016

Document Version
Peer reviewed version

[Link back to DTU Orbit](#)

Citation (APA):
Damgaard, A., & Levis, J. W. (2016). *State-of-the-Art Solid Waste Management Life-Cycle Modeling Workshop*. Abstract from International Solid Waste Association (ISWA) World Congress 2016, Novi Sad, Serbia.

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

ISWA 2016 - State-of-the-Art Solid Waste Management Life-Cycle Modeling Workshop

Agenda

Anders Damgaard

James W. Levis

Tuesday 20 September 2016

Agenda

Time	Topic (20 min presentation/10 min discussion)
09:00-09:30	Introduction to Solid Waste Life-Cycle Modeling and Models
9:30-10:00	Collection, Separation, Remanufacturing and systems interactions
10:00-10:30	Biological Treatment (Composting, AD, Use-on-land)
10:30-11:00	Break
11:00-11:30	Thermal treatment and residuals handling
11:30-12:00	Landfilling
12:00-12:30	Uncertainty and Systems Modeling
12:30-13:00	Wrap Up

Brief Summary

There are many alternatives for the management of solid waste including recycling, biological treatment, thermal treatment and landfill disposal. In many cases, solid waste management systems include the use of several of these processes. Solid waste life-cycle assessment models are often used to evaluate the environmental consequences of various waste management strategies. The foundation of every life-cycle model is the development and use of process models to estimate the emissions from solid waste unit processes. The objective of this workshop is to describe life-cycle modeling of the solid waste processes and systems. The workshop will begin with an introduction to solid waste life-cycle modeling and available models, which will be followed by sessions on life-cycle process modeling for individual processes (e.g., landfills, biological treatment, and thermal treatment). The first part of each session will be used to explain the state-of-the-art for a given solid waste process model and the remainder of the time will be devoted to input and discussion.